OR THE

MEASURING OVT

# QVARTERS

FOR THE Encamping of an Army.



By 7. C. add o-

LONDON,
Printed by R. C. for Andrew Crook, and are to
be fold at his shop at the signe of the Greene
Dragon in Saint Pauls Church-yard.

1642.

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Fileral by 20 C. you each of Commission of C

THE WORSHIPFVLL. My much honoured Friend, WILLIAM DENNY, Elq. Sergeant Major of a Regiment of FOOTE.

T pleased a Noble friend to s say of the Lord du Praissac's Discourses (by mee lately Englished) as Aristotle said of his owne writings, Se

scripsisse en non scripsisse. For that he conceived a man must be a good Souldier, before he shall be able well to understand him; he is so full and compendious: And therfore wished that as our Geographers first shew the whole world in one sheet of paper, but then give large descriptions and particular Maps of every Province, so there might be a Comment upon some .ORVED.O. A3

The Epsile Dedicatory

Chapters to make them intelligible, and

profitable to all.

Of the first Chapter (the Exercise of Armes and Military Motions ( ...) many bookes are obvious; and therefore I have thought fittest to begin at the second, which is of Castrametation or Encamping, wherein I have defired to be the more large, because our Nation is not beholden to any (to my knowledge) that hath laboured therein; and the deputy Lieutenants of this County, finde a want of men fit to be Quarter? masters. I have desired your Patronage, both in respect of my many obligations; as also for that I know you able to correct what is amisse, and courteous to pardon it. And as this small Essay shall find acceptance, I shall direct my selfe (as leisure and my poore stocke of knowledge shall serve ) in the undertaking of the whole worke. Meane time I kisse your hands, and rest of paper, but then give large dele

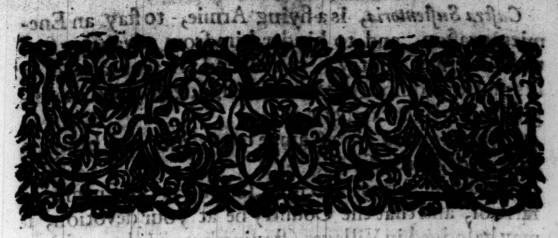
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edicti)

Your Humble Servant,

Jo. CRV so.

Eastlannelland



## CASTRAMETATION,

## The measuring out of the Quarters

Encamping of an Armie.

by wageons, to effect theres, Palifadoes, &c. Of elfe (especially if the Army school Army) the Infantrie are shrish llarared delta bru, siviois successful and three roote thicke, for their betaques of two their betaques of two their betaques of the moorish grounds may be enclosed by Freeless



Assurance of the Quarpowed from the Romano) is the measuring our of the Quarters, for the Encamping of an Admissance in including a land

Of Camps there bee three kinds. 1. Castra Temporanea.
2. Castra Sustentoria. 3. Castra Strataria.

but for a nights continuance, or so; and is alwayes in motion.

Caftra

Castra Sustentoria, is a flying Armie, tostay an Enemies invalion, and to hinder him from styricing forther into the Country; to that end alwayes attending his motions, diflodging when he diflodgeth, and encanping when he encampeth.

Caftra Strataria, is a Campe to environ and beliege a

Towns or Fortrelle

When the Acor merchesh ledong to the Energy bes farreof, and that the Country be at your devotion, it may be lodged in Villages, (staying but a night, or so) yet mult you not omit the ufuall Guards and Sentinels: But if you march through the Enemies Country, or that he be neere hand, the best way is to lodge in the field for that you find be the more ready to miske reflighte, theon: should be charged on the suddaine. All possible care must be taken to arrive before night (the Generall having fent a good party of Cavallerie before to discover about and beyond the place) and the Quarters may be fecured by waggons, Freese-Ruyters, Pallisadoes, &c. Or else (especially if the Army make any flay) the Infantrie are to encompate the Quarters with a Retrenthment of fix foote high and three foote thicke, for their better fecuring ty; the moorish grounds may bee enclosed by Freese-Ruyters or Pallisadoes; which may be cast upon waggens when the Armie diffudget & Some perces of Ordinance may also be planted towards the Anivenues where the Enemies might affaile the Counters. But I thede-figne be for foure fiege, when the army is come neere to the place which is intended to be beinged, there you make your Cuffra Straturia, and quarter after the third Carrie L. Ashness

Smuain. Threast is a remporative Campe, which is but for a nights continuance, or fire and is alwayes in

2. Capra Superson s. Cafire

militarie dif-

#### uniters bee not too neers the T. ou be gailed by the Parad nor the

energby hindred from being timely relieved from

Efore we come to the making of these Quarters, some generall observations are to be premifed; wherem our Author and the moderne times doe agree with Antiquity, and follow the Rules of Les, by egenius, Hyginus Gromaticus, and others; the a Tast Cap. 11.

1. That the Quarters bee not commanded by Tome lib.1. Cap. 21. higher ground neare hand, whereby they might lye o- merat. du pen to the Enemies view comming to relieve the Towne Praisfac in his or Fortreffe belieged.

2. That they be feared neere some River (if it be post-courses. Chap. fible) for the benefit of men and cartell, "for the chesper Freitag, in his conveyance of wecestaries, for the encompassing and secu- Fortifications fing of the Campe (whereby much labour and coft of lib.3. Cap.2. Fortification is faved y and for the avoyding of the noifom neffe of carrion, and fleh, and the Butchers Haughter housestanding

3. That there be no woods nor groves neere, where the Enemie might lie hid and thence continuallie vexe you; but that the ground be a plaine Champaine, that to you may dislover the Enemie a faire of, and retard him by your Cannon, and have time to put your Forces into of trench, the Cartionarilatist

4. That there be no moorth ground nor boggs neere hand, left your Armie grow difeated by the stenches and infectious vapours thereof. 11914

5. That the ground bee not fubject to bee overflowed with water, wither in Augunie or Winger; or that it bee not made to by Act leicher by the belieged, or fueli as may come to relieve them) by bringing the water upon you from Come other place, by cutting their bankes, or by meanes of their fluces.

11 64 Than there be good convenience of Forrage, Wood, and straw neere hand.

7. That the Quarters bee not too neere the Towne, lest you be galled by their Cannon; nor too farre diffant, lest your men which worke in the Approaches, be thereby hindred from being timely relieved from the Quarters.

8. That the Quarters bee of fitting breadth and length according to your forces; lest that (being made too little) the souldiers bee hindred from making good defence, by reason of the straitnesse of roome; or being too large, they want men to man so vast a Compasse.

9. Lastly and principally, that all the passages be well guarded, that the Enemie may not cut off your victuals. But because it seldome falleth out that a Campe hath all these conveniencies, you must labour to helpe that by

Art, which nature affordeth not. in morned sell voi (

If there be any high ground neere, you may possesse it your selfe (if the condition of the place will permit it) or if there be some other convenient place neere hand, you may environ the highest ground with a Trench, and make Redoubts about it: but if the high ground bee on some passage, or place of importance, you may build a Fortuponit, and so take away the Enemies advantage.

When there is no River, you must be content to bring all necessaries to the Quarter by Waggons and Carts, taking good order that they be hired at reasonable prices; and for the avoyding of stench, the Carrion must be carried out of the Quarters, and there buried in pits thereunto appointed; and the Butchers must there kill their beasts, and bury all their filth.

The Woods, if they extend not far from the Campe, may be encompassed with Trenches (if it be not too chargeable) which then are usefull to afford wood for Huttes and other uses; but if they be too far off, or of too great a circuit, they may be cut downe, or fired.

If there be water which may be kept up by the befieged to overflow the Gampe, you must seeke to prevent it by certaine bankes, or by diverting it another way, as

necessity and experience will direct.

These things being well advised on, and having good information of the condition and scituation of the place which you intend to besiege, being come within 6. or 8. miles of the place, the Quartermaster Generall rides before with 80, 100. or 120. Horse to take a view of the Ground, and presently causeth a designe to bee made thereof, that so hee may the readilier and better divide the Quarters.

The Quarters are not alwaies alike, but according to the scituation of the place, and sometimes the Campe is divided into 2.3.4.or more Quarters. Their forme is according to the ground, and the quantitie of Regiments

to be lodged in them.

### CAP. III. Of the Quarters for the Infanterie.

O fay nothing of the Quarterings used by the Ancients, as that of Cyrus briefly described by Xenophon; that of Tamberlan described in the Arabicke by Albacen, and translated into French by the Abbot of Mortimer; that of the Romans described by Polybius, whereby divers defignes and delineations have been made, by Patritius, the Duke of Vrbin, Robortellus, du Choul, Lipfius, Sir Henry Savile, Sir Clement Edmonds, du Praissac, the Duke of Roban and others, (you most of them differing in something or other) howsoever the moderne times goe upon the same grounds ( as that the Generall should be lodged about the middle, to be equally neare to all places; to have his chiefe Officers, Magazine, Victuall and Baggage neare him; all these to be encompassed by the Horse, and they by the foote (because they are soonest ready to resist the suddaine assaults of an Enemy) I purpose to close with the matter in hand, and : the quartering of a Company of foot.

Supposing the said Company to consist of 100 men, or there-about, there is a Parallelogram of ground allowed for them, containing 300 soote in depth and 24 soote in breadth: whereof 180 soote in depth is allowed for the souldiers Hutts, then 20 soote is appointed (behind them) for a streete, next that 40 soote in depth is for the Captaines lodging; then 40 soote for another streete betweene the Captaines lodging and the Suttlers, and last of all 20 soote in depth for the Suttlers, whereof the formost 10 soote are for their hutts, and the other 10 soote for their kitchins: which together makes 300 soot.

Now the said 24 foote of breadth for the said Companie as farre as 180 foote in depth is divided into 3 equall parts, namely 8 foote for one file (or Row) of Hutts, then 8 foote for a streete, and lastly 8 foote for the se-

cond file of Hutts.

Each file of Hutts is divided according as the iners defire to accommodate themselves; for one alone, there is 4 or 5 soote allowed in depth (or more if the number be smaller then 100 men) if two lodge together, they are allowed 6 or 7 soote; that so the more ground may be allowed to such souldiers as have their wife and Children there.

At the head of these 2 files of Hutts, that on the right hand is the Liestenants Hutt, and that on the lest, is the Ensignes, both fronting towards the Allarine place.

All the rest of the Hutts have their doores opening into the said street of 8 foote wide, over against each other, saving the 2 last Hutts, which are for the Sergeants, whose doores open into the street of 20 soote broad.

Betweene every Hutt there thould be 1 or 2 footedir stance left, for the draine of the water, and also that (if any fire should happen) it may be the sooner quenched.

No souldier is suffered to have any fire in his Hutt (it being onely built of poles and straw) but such as will

dreffe

dreffe their owne meate, are to doe it in the place appointed behinde their Sattlers Huttes.

The Souldiers build their owne Huttes, the Country

people thereabout furnishing them with materials.

The Captaines have the whole breadth of 24. foote for their lodgings, their Enclosure having an opening towards the freete of so. foote, and another towards that of 40. foote, having a trench of 5 foote high, and a moate of 4 foote depth and breadth round about them. and fet about with boughs. The custome (now adaies) is that they lodge in Huttes (as being more warmer and more durable) and use Tents for their kitchins and Mc Colone's locking of 68. Thote bressides?

The Suttlers doores open into the faid freete of 40. foote broad.

If the Company confilt of 130.140, or 150. men, they have ground allowed them for 3. files of Huttes; if of 180.0r 200, for 4. files.

To make all the more plaine, observe in figure 1. a.b.c. d. whereby the quartering of one Company is demonlodgings: whereof tone therefor

A Regiment confideth of Companies, fome being of 8. other some of 10.12.14.16.18. Companies. There is also a difference in the number of each Company, wherefore their Quarters must be proportioned accordingly.

Howfoeveryolie depth is alwaies 300. foote, without alteration, insthe Prince of Orange his warres; lo faith our Author. For the French manner of Encamping. though de Bille would have a Regiment of foote to \* Inhis Fortake up 600. foote in depth, whereof 400. foote for the tifications. Souldiers Huttes onely. The Collonels lodgings are al-lib. 2. part. 2. waies in the middle; so his Regiment is divided into 2 equall parts on each hand of limin (unleffe there be an odde number of Companies) and affrette of 8. foote broad betweene each Companie, into which no doores ir stillies, 'calification'

He hath 68 foote of breadth (or more if the ground The will

will permit) allowed him for his lodgings; (entrenched as the Captaines enclosures) and on each side a

Arcete of 8. foote broad.

About 16. foote before the Lievtenants and Enlignes
Huttes are croches set, with a pole a crosse at the top,
there to place the Pikes of the Company, and by them a
frame to lay their Muskets on, and there are the Colours
also planted. But some hold it better (both for readines,
i 1 case of an Alarum, as also for keeping the Muskets
cleane) that the Souldiers keepe them in their Huttes.

The figure 1. representeth a Regiment of 10. Compa-

nies, of 100.men a peece, whereof

A. Is the Collonels lodging of 68. foote breadth: fome would have him to have 76. others 78. foote, but that is left to discretion.

B. Here some would lodge the Chaplaine, Quarter-Master, Surgeon, and the like: and leave onely C. for the Collonels waggons &c. Others better appoint B. and C. both for the same uses, namely B. for the Collonels kitching, and C. for his waggons and stables.

D. The Captaines lodgings; whereof some thinke fit that that on the right angle bee for the Lievtenant Collonell, and that on the left, for the Serjeant Major.

Others, quartering the Collonels Company outwardest on the right of the Regiment, appoint the Collonels Captaine lodging just in the Reare of them in D. and the Lievtenant Collonels Company next to the Collonels lodgings on his left hand, and himselsein K. so every Captaine in the Reare of his owne Company.

E. The Quartermasters lodging.

F. The Chaplaines lodging. The count are is lode

G. The Surgeons lodging. One bimed ni seisw

H. The Provost Marshall his lodgings: but so much ground for him is judged to be too much.

I. The Sutlers Huttes: but such streets of 8, footeare held to be needlesse betweene their Huttes, causing too much losse of ground.

2044684

The late manner of lodging the Captaines in the Reare of their Companies, (which change was fince our Author writ his booke) is for two reasons. 1. That they may the better prevent, and also punish the disorders usually committed in the Suttlers Huttes. 2. That the Souldiers may have the freer and readier passage into the Allarum place.

Of Quartering the Cavallery.

The Horse are usually quartered by themselves, by reafon of inconveniencies when they bee quartered amongst the soot.

Every Every Troope of Horse is allowed 300 foot of ground

in depth, and breadth according to their number.

A Troope of 100. Horse hath 70, foot of breadth, and 180 spot in depth for 2. files of Huttes and Stables. Every Souldier having 10, foot in breadth for his Hut. Next their Huttes there is a small streete of 5. foot broad, into which their doores open. Then there is 10. foot in breadth allowed (on each side) for the Stables, so that there is a street lest of 20 spot broad betweene the two siles of Stables, 50. Horses being placed on the one side, and 50 on the other. Every Souldier, and every stable, having 4 spot of ground in depth.

But if there be 130. or 140. Horse in a Troope, there is another file of Huts and stables allowed them, as before, and a street of 20. foot broad as the other, to divide them

from the next troope.

Every Souldier hath his Horse standing just over against his owne Hut, with his head that way, that he may the better see him eate his pates.

The formost Hut on the right hand is for the Lieutenant; that on the left, for the Cornet; the two last for the

Quartermaster and Corporall.

There is a row of mangers along the foreparts of the stables, over against the Riders dores, and for every horse there is a partition, made of a pole, to divide them from each other.

red overhead (to keepe them from wet and cold) either with Canvas or straw, after the manner of a shade, but open before and behinde.

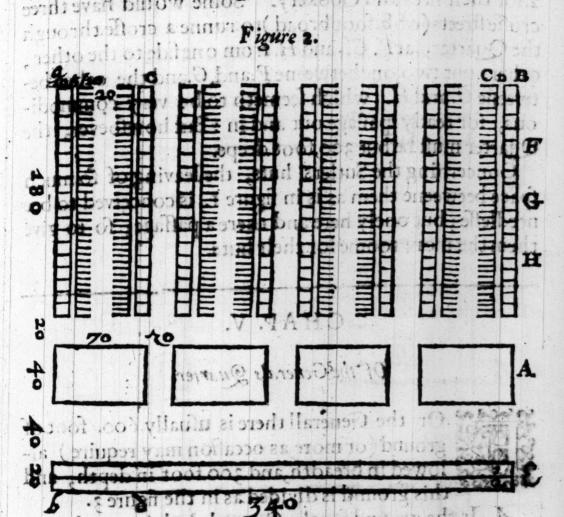
To make all the more plaine, see in figure 2. a. b. c. d. hew the manner of Quartering of one troope of 100. horse, (or thereabout) whereof the measures are mentio-

ned in the figure.

A Regiment of horse consisteth (usually ) of 3. or 4. troops, and are quartered as the said figure sheweth. The Collonell hath no more ground then the other Cap-

unes.

raines. And untill of late, the Collonels of horse in the Prince of Orange his Armie had no more pay then the other Captaines; but now there is a larger stipend given to them, and the Sergeant Major.



A. Are the lodgings for the Collonell and other Captaines, (which are entrenched as those of the Infantry) that on the right hand for the Collonel (as some hold,) yet others place the Collonell in the middle, and the Sergeant Major in A. Some make a troope of Curassiers to be 180 shorse, and place the Lieutenant, Cornett, and Quartermaster, on the left of the Captaine.

B. The Souldiers huts: some make 2 foot of space betweene each hur, for the draine of water, and danger of fire, which I conceive to be very usefull.

C. The Stables.

D. The streete of 5. foot breadth, betweene the Souldiers huts, and the row of Mangers, being the forepart of

the Stables.

E. Are the Sutlers huts; namely, 1. for the huts, and 2. for their fires and Cookery. Some would have three crosses streets (of 8. foot broad) to runne a crosse through the Quarter, at F. G. and H. from one side to the other; others put two, one betweene F. and G. and the other betweene G. and H. which seemeth to be very commodious, for ready passage out and in: But howsoever, the Quarter must be but 300 foot deepe.

Concerning the Sutlers huts, the leaving of so much space betweene them as is in figure 1. is conceived to bee needlesse; but onely here and there a passage; so to give

them the more roome for their huts.

#### CHAP. V.

### Of the Generals Quarter.

Or the Generall there is usually 600. foot of ground (or more, as occasion may require) allowed in breadth, and 300. foot in depth; and this ground is divided as in the figure 3.

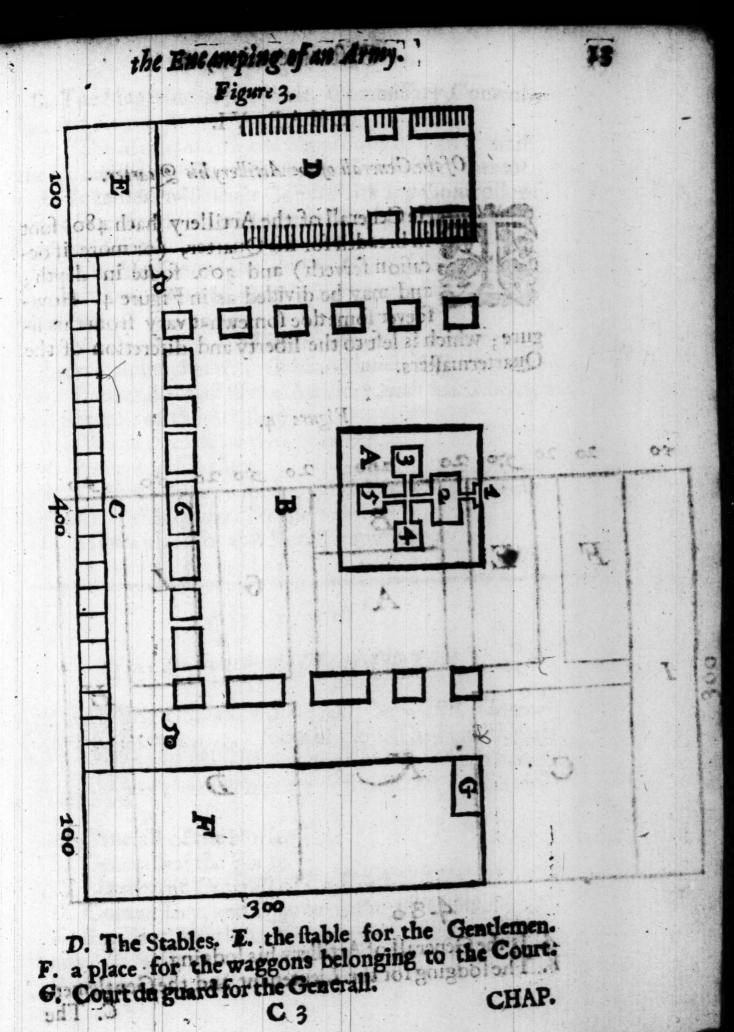
A. Is the ground for the Generals lodging: wherein 1, is the Gate. 2 the dining roome. 3 the wardrobe 4 the Bed-chamber. 5 the Councell-chamber. 6 the Kitchen, &c.

B. Is a large space of ground, wherein the Gentlemen meete, and recreate themselves with diverse exercises.

C. Are the huts, for the Wine-fellers, Beere-fellers, fer-

The other squares are tents for the Secretary, Steward, and other Officers and Genelemen attending the Generall: also the Hall, Buttery, Pantery, &c.

D. The



## Figure 3.

Of the Generall of the Artillery his Quarter.

casion serveth) and 300. foote in depth; and may be divided as in Figure 4. How-sever some doe somewhat vary from this sigure; which is lest to the liberty and discretion of the Quarternasters.

Figure 4.

20 20 50 20 100 20 50 20 50

F E A G F Z

H

A 1s che Generall of Artiflery his lodging of society. The lodging for the Lieutenant and the Gentlement of Artiflery his lodging of society. The C. The

### the Enguine of the Truy.

C. The Magazine of Artillerie, Commissary, Controllor, and Conductors.

D. The Magazine of the Munitions of warre, with the Commissary Controllor, and Conductors thereof,

E. Ingeniers with their Conductors and Controllors of the Fortifications, with their Conductors, Commisfary, and Clerke.

F. The Mr. Conner, with his Cannoniers, Mr. of Fire-workes, with his Conductors, Petardier, and Bat-

tery Master.

G. Mr. Carpenter, his Lieutenant and Journey-men. Wheele wrights, Smiths, Gabion Mafter, Wheele great fers, Cooper Provost of the Artillery with his Officers, and Surgeon of the Artillery.

H. Mariners to draw the Ordnance.

I. Pioners and Winers.

K. Common place, for men and Waggons, (having businesse in this quarter to meete in.

L. A spare place for accidentall imployment.

### CHAP. VII.

Of the Queriers for the Officers of the Field.



He Officers of the Field, have 380. (Sometimes 400,) foote of ground in breadth for their Quarter, and 300 foot in depth, whereof the divisions are demonstrated in Figure.

A. Generall of the Horie,

B. General of the Foote.

G. Lieutenant Generall of the Horle.

D. Commissary, and Quartermaster of the Horse.

E. President, Fiscall, and Secretary of the Counsell of Warre.

Frovost Generall.

G. Ser-

### Figure 5.

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G. Sergeant Major Generall.

H. Quartermaster Generall, and the Commissary of the Treasury.

I. Commissaries of Masters.

-502 D

K. Chaplaines, Physician, and Surgeon to the Court. The spaces are streetes of 20 foot broad, to give convenient accesse for Waggons, Horse, and Foot, for all men to come to their lodgings. Some doe somewhat vary from this forme, in making this Quarter; wherein every Quarter master Generall may use his discretion.

D. Commissay, and Quarter of the Hosse:

Word General.

Prefident. Fife! and Select of the Countill of

### CHAP. VIII

### Of the Quarter for the Waggons.



He Quarter for the waggons is alwayes 300 foote deepe, (as alf other Quarters are) but the breadth must be proportioned according to the number of waggons, which lemetimes take-up 380 foote.

In this ground the swaggons are placed in files for Rowes) taile to taile, feaving afficeete of 12 fuote between them, wherein the waggoners may lay their forage But betweene every couple of files there runnes a freete of 24 foote broad, for passage through the Quarter.

To each waggen with 3 horses there is 12 foote allowed in depth and 18 foote in breadth, namely 6 foote for the breadth of the waggon, and 12 foote for 3 horles.

The waggoners usually lodge in their waggons, or under them, but such as will build hutts, may doe it in the faid streete of 12 foote broade, behind their waggon.

And howfoever there be many waggons imployed in the Armie more then are here quartered it must be bonfidered that many Officers doe keepe their waggons heere them, in their owne Quarters bailed : days ni stoot

On the A fides of the Quarter dare the Suttlers Hutts which follow the waggons, which have to foote of ground apeece, both in depth and breadthing anogory

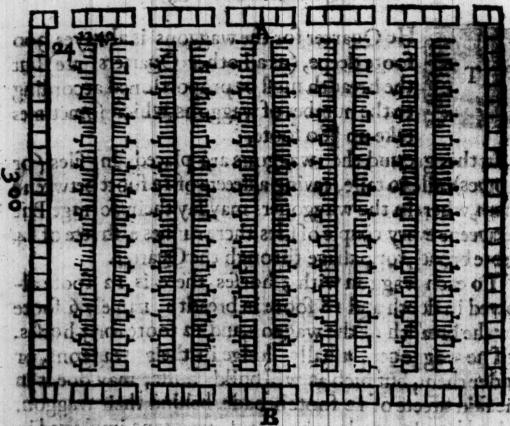
All which is more plainely shewed in figure 6 which containeth 10 files of waggons, of 14 waggons in each file, which makes together 140 waggons.

Sometimes the faid streetes are not so broad as 24 foot (if there be want of ground) that so the more waggons

may be placed in the Quarter.

Some, instead of making the 4 sides of the Quarter to ferve for Hitts, doe there place waggons, and leave an open space (instead thereof) of 60 foote broad, in the middle Figure 8.

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middle of the Quarter from B. to A placing the Generall of the waggens at the front thereof, allowing him to foote in depth: behind him they place the Lieutenant of the waggens and the Secretary, (allowing them 40 foote in depth; behinde thefe, the Conductors of the waggons, giving them 48 foote in depth, the rest of the ground serving for the Suttlers Huts.

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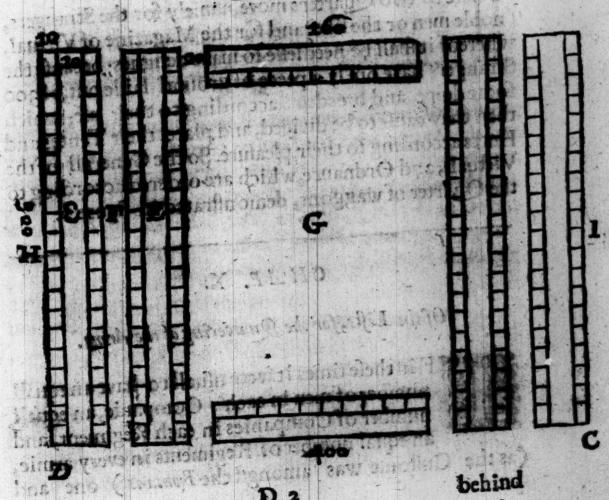
## CHAP IS

### Of the Marke place, or Smilers Querser.

Or the Market place there is usually about 400 foote of ground allowed in breadth, and 300 foote indepth, wherein there be divers double files, (or Rowes) of Hurres made (for the most part 4 files on both sides of the Quarter) every Hutt having 10 foote in breadth, and a streete of 20 foote broad betweene each file of Hutts.

The 2 files of Hints neerest to the market place are appointed for the Mercers, Drapers, and other thopkeepers, the next behind them are for Innes and Tavernes; those Hillow the wind such wood colle

Figure 7.



behinde them are for handy-crafts men; and the last for Butchers, Bakers, and the like, whereof the figure 7 is a defignement.

From A. to B. (being the breadth of this Quarter) is

400 foote.

From A. to D. (being the depth) is 300 foot.

E. are spaces 20 soote broade, which are not streetes for passage, (as F. is) but are closed in at the endes, and serve to drelle meate in, or other conveniences for the Hutts: and into these spaces the Hutts have backdores to goe into.

F. is a streete of 20 foote broade, betweene each couple of files of Huttes. Some make a streete (of 20 or 24 foote

broad) at H. and I. into the markett place.

G. is the market place, 200 foote broade

Some make 2 foote spare betweene each Hutt, for the draine of water.

There be two Quarters more, namely for the Strangers, (noble men or the like) and for the Magazine of Victual, whereof it shall be needlesse to make defignes; because the Strangers have onely a peece of ground laide out, of 300 foote deepe, and breadth according to their use; which then they cause to be divided, and place their Tentes and Hutts according to their pleasure. So the Generall of the Victuall, and Ordnance, which are ordered according to the Quarter of waggons, demonstrated in figure 3.

### CHAP. X.

Of the Lists, for the Quartering of the Army.

Fin these times it were usuall to have an equall number of men in each Companie, an equall number of Companies in each Regiment, and an equal number of Regiments in every armie, (as the Custome was amongst the Romans) one and the

the same forme, and the same proportion of ground would serve for the Quartering of the moderne Armies. But seeing that there is now a generall inequality of them, the Quarters must be proportioned according to the number of forces and Munitions, which are to beencamped; Therefore the Quarter master Generall must have exact Lists of them, whereby he may know how to proportion his Quarters.

To make this the more plaine, I purpose to propound the Lists of the late Prince of Orange his Armie, Anno 1610. quartered before Gulick, for an Example, (for which I am beholden to Master Simon Steven) which were . as followeth.

the hardenstrated will entitle charge and entitle A Lift of the Officers of the Army. Dis on a soul

- A Lift of the Regiments of the Infantery. 2.
- A List of the Regiments of the Cavallery. 3:
- A Lift of the Artillery, 4.
- A List of the Munitions. 5:
- A Lift of the Waggons, 6.
- A Lift of the Shipping. 7.

### A STATE OF THE CHAP IN THE SHARE OF THE STATE OF THE STAT good and and the Languages or be own a lost

The Lift of the Officers of the Army. or springer of Ground in Cheve tree legisters

Is Excellence.

Count Henry of Nassau (now Prince of Orange )

Generall of the Horse di non obto il select

Mounfieur Marquette, his Lieutenant.

Count Erneft, Generall of the foote.

Sedlevefki, Sergeant Major Generall.

Mounfieur Stakenbrooke, Commissary Generall of the The ment of the delivers of prefied, that to eachier Hot

Solemie, Quarter Master Generall. Provok Generalli barrel solda fen me uno temble de

D 3;

Prefident

dene of the Councell of warris

Secretary.

Commillary of the Freaturie.

Mountieur De Blet,waggon Master Generall

His Lieutenant.
Quarter Master Generall of the Horse.

Physician to the Armie.

Chirurgeons to the Armie;

Provok of the water.

Three Chaplaines.

There be other Officers belittes thefe as namely of the Artillery, Munition, Victuall and thipping, but because they are quartered where their charge and command is, there is no cause of maning then in this Lift.

#### CHAP. 12.

The List of the Regiments of Infanery.

English.

Enerall Vere his Regiment is of 15 Companies; whereof the Collone's Companie confifteth of 200 men, and 14 Companies, of 80 men apeece; which have 32 files of Huces. Their front takes

up 580 foote of Ground, and have 1320 fouldiers.

To calculate these, observe that the Collends Com pany mult have 4 files of Hutes: the other Companies (being 14 of 80 men in each Companie) must have a files of Hutts apeces fo 32 times 8, makes 256 foote, then for 32 streets of 80 foote broad, makes 256 foote more. Adde to these 68 foote for the breadth of the Collonels lodgings, to together jumakes 300 foote.

The number of fouldiers is expressed, that so each Regiment may know how many foote they must digge of the Retrenchment, as shall be shewed, in Chap, 23,017

Generall Cecil his Regiment is of to Companie thereofthe Gollonels Companie confifteth of 200 men and 9 Companies of 80 men apeece: which have 22 files of Hutts; their front is 452 foote broade, and they are osoffouldiers pa one le de management de la line la sul de la contrata del la contrata de la contrata del la contrata de la contrata del la contrata de la contrata de la contrata del la contrata de la contrata del la

SinGenge Hollishis Regiment is of 10 Companies. whereofone Companie is of gomen, 4 of 80 men appears and 5 of 70 men: thefe (being without place for the Collonell) have 20 files of Hutts; their front 320 foote. and 760 fouldiers. The sind will all will Williams

Sir Hatton Cheeke his Regiment is of 10 Companies, whereof one is of 100 men, three of 90 a peace, fix of 80. they have no files of Hutts, their front is 388 foote, and 850 souldiers.

Scotts.

Collonell Hinderson his Regiment is of 19 Companies. wherof one is of 100 men, 18 of 70 men apeece; they have 38 files of Huts, their front 676 foot, and 1460 fouldiers. Records of 1

Monfieur Chastillon his Regiment is of 19 Companies, whereof the Gollonells Companie hath ago men, one Companie 100, and 17 of Somen aperce. There have 40 files of Hutts their front takes up 708 foot of ground,

Monsieur Berhune his Regiment is of 10 Companies, whereof the Collonells Companie hath 200 men, one Companie more of 100 men, and 17 of 80 men apecee; they have 40 files of Hutts, their front is 708 foote and 

to anomine of realist order of the ment of the order of Count Ernefis Regiment is of 6 Companies the Colloir alls ( ampanie hath 200 men, three more nof 200 men Africace, one of 150 and one of 100 they have 21 files of hutts, their front is 336 foote, and 1050 fouldiers. Walons ..

Gener John Emos his Ragimentis of 116 Companies, whereof the Gollonells Companie bath 200 men, two Com

Companies of 100. apeece, 13 of 70 men apeece: they have 34 files of Hutts, their front is 612 foote, and 1316 fouldiers.

The foure Guards.

One Guard of 250 men, two of 200 apeece, and one of 150. these (being without Collonells place) have 16 files of Hutts, their front is 256 foote, and they are 800 souldiers.

Frifons.

Count William his Regiment is of 8 Companies, whereof the Collonels Companie hath 200 men, 7 Companies of 80 men apeece, which (being without Colonels place) have 18 files of Hutts, their front 288 foote, and they are 760 fouldiers.

### CHAP. XIII.

The List of the Regiments of Cavallery.

Ount Henry his Regiment is of three Troopes, whereof one is of 250 men, one of 150, and one of 70, they have tenne files of Hutts, and 430 foote in breadth: which is thus calculated.

Each couple of files (as was shewed Chap. 4.) hath 70 foote in breadth; so these 5 couple of files take up 5 times 70 which is 350 soote; then the 4 streets which runne betweene them of 20 soote apeece making 80 soote, make the front of the Regiment (as above-said) 430 soote. And after this manner the ground for the other Regiments of Horse is to be calculated.

The number of Horse-men in each Regiment is not specified at the soote thereof (as in the Regiments of Infanterie) because they are not imployed in the making of the Retrenchment.

Monsieur Marquette his Regiment is of 4 Troopes, whereof one of 100 men, three of 70 men apecce; they

ATA THE WALL AND BUILDING SE have 8 files of Hutts, and their front is 340 foote.

Monsieur Stakenbranke his Regiment is of 4 Troopes. whereof one is of 100 men, one of 85 and 2 of 70 apeece. they have 8 files of Hutts, and their front is 340 foote.

Collonell Wagemans Regiment is of 3 Troopes, of 70 men apeece, they have 6 files of Huttes, and their front

is 250 foote.

Collonell Ryboven his Regiment is of three Troopes, of 70 men apeece, they have 6 files of Hutts, and their

front is 250 foote.

Collonell Marcellis Bax his Regiment is of 4 Troopes, they have (being 70 men apeece) 8 files of Hutts, and

and their front is 340 foote.

Collonell La Sale his Regiment is of 3 Troopes, of 70 men apeece, they have 6 files of Hutts, and their front is 250 foote.

& Collonell Smeltfing his Regiment is of 3 Troopes, of 70 men apeece, they have 6 files of Hutts, and their front

is 250 foote.

Windlaffes

Collonell Quaes his Regiment is of 3 Troopes, of 70 men apeece, they have 6 files of Hutts, and their front is 250 foote.

Count John his Regiment is of 3 Troopes, of 70 men apeece, they have 6 files of Hutts, and their front is 250 foote.

Collonell John Bare his Regiment is of 3 Troopes, of 70 men apeece, they have 6 files of Hutts, and their front is 250 foote.

E

#### CHAP. XIV.

### The list of the Artillery.

#### Ordnances.

4 Whole Cannons, mounted on their carriages.

8 Demy Cannons, mounted on their carriages.

3 Field peeces, mounted on their carriges. Powder, match and bullets.

153120 pound of powder.

3000 Cannon bullets.

6000 demy Cannon bullets.

40 Latten bullet Cases for whole Cannons.

20 Latten bullet Cases for demy Cannons.

1200 bullets of 12 pound. 3000 pound of match.

Spare Carriages and wheeles.

2 Carriages for whole Cannons.

4 Carriages for demy Cannons.

I Carriage for a field peece.

. . . Blook carriages.

20 Fore carriages.

20 Wheeles for whole Cannons

3 Wheeles for demy Cannons.

I Wheele for field peeces.

5 Wheeles for fore carriages.

2 Carriage wheeles.

1 Sledge carriage.

Utenfills for the Ordnance.

45 Ladles.

45 Spunges.

45 Rammers

4 Ladles for red-hot bullets.

4 Hooke tongues for red-hot bullets.

20 Budgebarrells with their mallets and diffies,

90 Coines.

estable 25

| the Encamp                 | ing of an Army.  |
|----------------------------|--|
| Windlasses with t          | heir appurtenances.  |
| 2 Windlasses compleat.     | Sodo Spices  |
| 5 Martiners or racke eng   |  |
| 2 Pullies.                 | I Dasiela A Va   |
| 8. Brasse pullies.         |  |
| 4 Crowe leavers.           | Plant of Infinity Tage.  |
| 8 Leavers.                 | wooden we  |
| 4 Skids.                   | de l'ales affectens  |
| 4. Rowles.                 |  |
| Thill har                  | nistes.  |
| 41 Thill harnisses comple  |  |
| 41 Ridge ropes and belly   | bands.   |
|                            | Paragolas a distrib  |
| 450 Collars.               | I had be transport of the state of the   |
| Timber for the             | use of the Artillery.  |
|                            | Sandiccopesion   |
| 54 Firre balkes of 22 foot |  |
| 200 Deales.                | Lords and to know 8  |
| 200 Firre poles.           | and has a first  |
|                            | les. 10 the instruction  |
|                            | Chaldren of hard   |
| 50 Shovells.               | Smithstooles   |
| 50 Axes.                   | Carpensers molling   |
| 50 Hatchets.               | Less World C.  |
| 50 Hookes or hedging bi    | Is solida engante opi  |
| 22 Pickaxes.               | o Leather buckets.   |
| 22 Mattockes.              | 570 Squarebashess  |
| 80 Hand-pikes.             | our port to bring ook.   |
| 18 Crowe lewers.           | askodelasi 9 a   |
|                            | A STATE OF THE STA |
| 8 Slings to carry powder.  | For 4 who le Canons, v   |
| 4 Hand barrowes to carry   |  |
|                            | to a Ballon Can black  |
| 4000 Large nailes.         | The Property and Charles   |
| 1000 Nailes of 6 inches.   |  |
| 2000 Nailes of 5 inches.   | pecc is ei soog  |
| 3000 Double middle naile   |  |
|                            | E 2 6000   |
|                            |  |

itrametation, or 6000 Single middle nailes. 8000 Spikes. All manner of bolts and lints-pins for, the Carriages and fore-carriages. Lights. 200 Pound of Candles. 12 Woodden Lanthornes 4 Barrels of Beacon lights. 4. Lampes. Cordage .. 2 Whole Draught Ropes to draw the Ordnance by men. 3 Halfe Draught ropes to draw the Ordnance by men. 22 Ropes toguide the Ordnance. 20 Draughtropes to draw the Shipping by Horses.

3 Draught ropes to draw the Shipping by Men. 2 pound of twine. 6 pound of packthred to whip about the Lines.

Severall things. 1000 pound of iron for the Smith.

1 Chaldren of Seacoale.

Smiths tooles.

Carpenters tooles.

80 Haire Tiltes.

140 Sheepes skinnes

6. Leather buckets.

570 Square baskets.

400 pound of hogs greafe.

6 Grease boxes.

Draught Horses for the Artillery. For 4 whole Canons, on their blocke Carriages, 11 couple a peece, is, For 8 demy Canons, at 9 couple a peece, is 144 For 3 field-peeces, at 5 couple a peece, is 30 For 6 Carriages for whole Canons, at 4 couple a peece, is

2000 Wailes of Sintle For 4 Carriages for demy Canons, at 3 couple a peece For

| ANG ENG                  | infing of an army.   |     |
|--------------------------|--|-----|
| For 2 blocke carriage    | s, at I couple a peece,  | 4   |
| For 8 Drugges at 1.co    | uple a peece,  | 6   |
| For 6 Waggons to car     | ry Harquebuses a crocke,4 cou  | -   |
| ple apeece,              |  | 8   |
| For 8 Mill-waggons,      | 이 많이 하는 사람이 없는 이번 아이를 내 아이를 하고 있는 것이 없는 것이 없어 없다는 것이 없는 것이 없는 것이 없다는 것이 없다면  | 8   |
| Spare Horses, 20 coup    | 기가 되는 사람들이 많은 사람들이 되었다면 그 아니는 것이 생각하고 있다면 하셨다면 하게 되어 되었다.  | 0   |
| Spare Hories, ao coup    | me of the Draught Horfes, 490  |     |
| 0551                     | And Home   |     |
| Officers of the          |  |     |
| The Generall of the A    | remery Region.   |     |
| His Lieutenant Grena.    | 11 - 70  |     |
| Controller of the Art    |  |     |
| Commissary of the Ar     | tillery, w tenorouck,  |     |
| 10 Gentlemen of the      | Ordnance.  |     |
| 25 Conductors.           | 是 数数   |     |
|                          | A.B.C.) every man having hi  | S   |
| Conductor.               | It will be to the second of the Landson of the Land |     |
| 2 Controllers of the I   | Fortifications, (namely A.B.C.)  | )   |
|                          | Conductor, Commissary, and   | I   |
| Clarke.                  |  |     |
| The Master Gunner, A.    | .B.  |     |
| 36 Canoniers.            |  |     |
| The Master of the firew  | vorkes, with 2 Conductors.   | -   |
| The Petardier.           |  |     |
| 2 Battery Masters.       | The state of the s |     |
| The Master Carpenter     | M.N.   |     |
| His Lieutenant, O.P.     | The teach of the   | •   |
| 12 Journymen Carpen      | ters.  | •   |
| 2 Wheelewrights.         | FINE BEA COCE . IS   | •   |
| 2 Smiths.                | The marking of   |     |
| 1. Gabion maker.         |  |     |
| 2 Wheele-greafers.       |  | 1   |
| 1 Cooper.                |  |     |
| The Provost of the Art   | illery, with his servants.   |     |
| The Chirurgeon of th     | e Artillery.   |     |
| The Commissary of the    | e Draught Horses.  |     |
| His 11 Conductors, di    | ivided as followeth: To each   |     |
| of the 6 peeces of whole | Canon, I. To each of the 3   | '   |
| :55004 C                 | E 3 field  |     |
|                          |  | 130 |

field peeces, 1. To the carriages and fore carriages, t.

2 Captaines of the Pioners, A.B. and E.D.

100 Pioners, 50 to each Captaine.

The Captaine of the Miners, E. F.

25 Miners.

4 Sea Captaines. 240 Mariners, 60 to each Captaine.

### CHAP. XV

The List of the Munitions of Warre.

Powder, Match, and Bullets.
45000 pound of Powder for Muskets.
45000 pound of Match.
45000 pound of cast Musket Bullets.
Armes.

200 Muskets. 800 Whole Pikes 50 Halfe Pikes 50 Targets.

Tooles.

10000 Spades.

2000 Shod shovels

1000 Mattockes

500 Pickaxes

1200 Axes

600 Hatchets

600 Hookes or hedging bils.

4 Crowes of iron.

Timber.

1600 Deales
25 Split Deales
1500 Firre Sparres
100 Firrebalkes of 22 foote
100 Firrebalkes of 25 foote.

the Encamping of an Army.

Nailes.

2000 of 7 inches.

2500 of 6 inches.

3000 of 5 inches.

20000 double middle Nailes.

20000 fingle middle Nailes.

10000 large Spikes.

10000 Spikes.

Lightes.

100 pound of candles.

8 Woodden Lanthornes.

2000 Beacon Lights.

6 Lampes.

Severall things.

1000 Wheele-barrowes compleate.

100 Spare Spindles.

30 Rush-bridges, with their cordes.

50 Haire Tiltes.

100 Square baskets.

600 Bagges to carry earth.

30 Ship-pullies.

100 Quartering staves.

10 Draught lines to draw up the Munitions.

1200 pound of line, of all forts, from penny

lines upwards.

8 Musket-bullet-mouldes, of 12 holes a peece.

8 Melting-ladles.

Officers of the Munitions of Warre.

The Commissary, A.B.

20 Conductors.

CHAP.

I Provous I

### CHAP. XVI.

### The List of the Waggens.

| N the Litt of the Waggons, the lame order           |          |
|---|----------|
| observed as before, namely, first, the W            | ag-      |
| gons for the Officers of the field; second          | ly,      |
| for the foote; thirdly, for the Horse; four         |          |
| ly, for the Artillery; fifthly, for the Mu          |          |
| tions; and fixthly, for the Victuall.               |          |
| Waggons for the Officers of the field.              |          |
| For his Excellence.                                 | 66       |
| For Count Henry, Generall of the Horse,             | 30       |
| His Lieutenant Masquette,                           | 6        |
| Sergeant Major Generall, Sedleneski,                | 3        |
| Commissary Generall of the Horse, Stakenbrooke,     | 2        |
| Quarter-master Generall, Solemne,                   | 1        |
| Provost Generall,                                   | 3        |
| Advocate, Fiscall, and Secretary,                   | 2        |
| Commissary of the Treasury,                         | 2        |
| Waggon-master, Generall Doub'et, his Lieuten        | ant,     |
| Conductors, Wheelewrights, Smiths, and Cordage,     | 7        |
| Quarter master Generall for the Horse, A.B.         | 1        |
| The Provost of the Water,                           | 1        |
| Two Surgeons of the Armies,                         | 2        |
| Three Chaplaines.                                   | 3        |
| Summe of the Waggons for the Officers of the field, | 129      |
| Waggons for the Infantery.                          |          |
| For 12 Captaines of Generall Vere his Regiment,     | 12       |
| 2 Captaines of Collonell Ogles Regiment,            | 2        |
| Generall Cecill,                                    | 12       |
| 2 Collonels, 4 Waggons a peece,                     | 8        |
| 3 Lieutenant Collonels, 2 a peece,                  | 6        |
| · 3 Sergeant Majors, Rapeece,                       | 2        |
| 3 Quarter-masters, 1 a peece.                       | \$ 50 Kg |
| 3 Provosts, a peece,                                | 2        |
|   | hap-     |
|   |          |

59 800

40000 pound of Powder,

800 ( 1600 40 d 60 d For t bullers

Matter
The Pea
Battery
Matter
Call
12 Journ
2 Wheeless

2 Smiths,

| the Encamping of an Army.                            |
|--|
| 2 Smiths,  |
| Provost of the Artillery,                            |
| Surgeon of the Artillery,                            |
| Bridge-maiter  |
| Commissary of the draught Holds                      |
| 2 Captaines of the Pioners,                          |
| Captaine of the Miners,                              |
| Scal Captaines,                                      |
| Amore of the Wing one of the Colores 35              |
| Summe tot II 1 1 1 1 1 1 1 1 2 37                    |
|  |
|  |
| Wasyms for the Musichian 1. so                       |
| popo pound of Powders                                |
| z opo pound of Lead,                                 |
| population Match,                                    |
| a kees in illed, Pikes, Target 31, subus Mouldes,    |
| na odlet, il i je i je i je i zastali z              |
| opdy Spades, and 50 Shovels                          |
| spollatorekes, 200 Piclaxes, 400 Axes, 300 Hatchets. |
| soo hookes.  |
| Malles of all foats,                                 |
| 200 pound of Candles, 12 Lau hornes, 2000 Beacon.    |
| igus, o Lampes,                                      |
| 120 Wheele-barrowes,                                 |
| o Rush-bildges with their cordage.                   |
| op Square baskets, and 100 quartering staves,        |
| For the Commissary A. B. and his Conductors,         |
| Summe of the Waggons for the Munitions of Warrent 08 |
|  |
| It aggens for the Victorall.                         |
| For the Victuall, 242                                |
| For the Commissary of the Victuall, M. N.            |
| For his Conductors,                                  |
| Summe of the Waggons for the Victuall, 244           |
| Summa summarsem of the Waggons.                      |
| For the Officers of the Field, 129                   |
| For the Foot, For                                    |
| 1 3  |

# Castrametarion,

| For the Horse,                 | I C |
|--------------------------------|-----|
| For the Artillery              | 237 |
| For the Municions of Warre,    | 108 |
| For the Victuall,              | 244 |
| Summe totall of the of uggons, | 942 |

### CHAP. XVII.

The Lift of the Shipping.

| MARINE C      | cording to the Order before mentioned,            | hrlt  |
|---------------|---|-------|
|               | re to be set downe, the                           |       |
|               | Ships for the Officers of the Army.               |       |
| TO CONTRACTOR | His Excellence,                                   | 20    |
| Count         | Henry, ships and boates,                          | 12    |
| The Ca        | ptaine Generall of the watch Sedleneski,          | 1     |
|               | larter master Generall Solemne,                   | 1     |
|               | ovost Generall with his servants & Marine         | rs, I |
|               | lyocate, Fiscall, and the Secretary to the Co     |       |
|               | rre are to beshipped in a Munition ship.          | 17 00 |
| The Co        | ommissary of the Treasury,                        | 3     |
| The W         | aggon Master with his Conductors,                 | 1     |
|               | Surgeons of the Army, and the Apothecar           | y, I  |
| *             | Summe of the Ships for the Officers of the field, | 38    |

There be other Officers, as of the Artillery, Munitions of warre, Victuall, and of the shipping; but seeing that they accommodate themselves in those ships, which are laden with the goods which they have the command of, they need no other ships.

| Ships for the Infa For the Regiment of English  | aniery. | ) iranic | اران ( | 2    |
|---|---------|----------|--------|------|
| For the Regiment of Scots,                      |         |          | 100    |      |
| For 2 Regiments of French,                      | 3 thips | apeece   | 2 3    |      |
| For the Regiment of Durch,                      | under   | Coun     | t Erne | \$7, |
| For the Regiment of Wallons                     |         |          |        | 4    |
| 1. 1. T. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. |         | . 150    |        | Fo   |

| the Encamping of an Army.                                |     |
|--|-----|
| For the foure guards,                                    | L   |
|  | Ä   |
| For the Regiment of Frisons,                             |     |
|  | 2   |
| For the Regiment of Lieutenant Collonell Meetker         | -   |
| cken,  |     |
| Summe of the Ships for the Infantery, 19                 |     |
| Shippes for the Cavallery,                               |     |
| For 11 Regiments of Horse, 1 ship apeece, 11             |     |
| For the Armes and baggage of his Excellence his          | 3   |
| Troope,  |     |
| Summe of the ships for the Cavallery, 12                 |     |
| Ships for the Artillery.                                 |     |
| These are of three sorts, I for the Officers of the Ar-  |     |
| tillery; 2 for the braffe Ordnance, with their carriages |     |
| and blocke carriages; 3 for the munitions of the Artil-  |     |
| lery.  |     |
| Ships for the Officers of the Artillery.                 |     |
| The Generall of the Artillery,                           |     |
| The Ingeniers, Controllers, and Conductors of the        | 1.  |
| Fortifications, and of the workes,                       | *** |
| The Ingenier, A.B.                                       |     |
| The Master Gunner, with all the Canoniers,               | 4   |
| The Master Carpenter Generall, with all his Worke-       |     |
| men,   |     |
| The Commissary of the draught horses, with his           |     |
| Conductors and Utenfils,                                 |     |
| Wheelewrights, Smiths, Ropemakers, and their mate-       |     |
| rials,   | 11  |
| Two Captaines of Pioners, makers of Fireworkes,          |     |
| and Detardies  | 27. |
| Summe of the Ships for the Officers of the Artillery, 8  | 5   |
| 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1                    |     |
| Ships for the braffe Ordnance with their corriages, and  |     |
| blocke-carrieges   |     |
| These peeces with their carriages are shipped in the     | 4   |
| F.3. hips  | -   |
|  |     |
|  |     |
|  |     |

## Caltrametation, ar

# thips for Bridges, which thall be hereunder mentioned

Ships for the Munitions of the Artillery.

960 Barrells of Powder, in 4 Carvels, is

3000 Bullets of 48 pound weight in 4 Hoyes,

6000 Bullets of 24 pound, in 4 Hoyes,

For the Petards and appurtenances, i Hoy,

For the Cordage, Match, Latten bullet-cases, and other things, one carvell,

150 Fire Joylis, and some baskets, one carvell,

200 Deales, and 200 Fire poles, i Ship,

For some Cordage, collers, Ladles, &c. i ship,

1200 Bullets of 12 pound, one small Hoy,

Summe of the shiping for the Munition of the Artillery,

Summe of the Ships for the Artillery,

Ships for the Munitions of warre,
45000 pound of Powder,
45000 pound of Match,
45000 pound of Musket-bullets,
50 Haire Tiles,

8 Mouldes,

All which was laden in 4 thippes of 40 Tunne appears

200 Muskets, 800 Pikes,

50 Halfe pikes,

50 Targets,

equil:

100 pound of candles

6 Lampes, 2000 Beacon Lights, Nailes of all forts, 100 Quartering staves,

on ai doo bags to carry cartle,

Stine to Colore

| 1 de como o 03 00 1  | One there one  |
|--|--|
| 10 Draught Ropes,  | eneur appur and -  |
| 12000 pound of Cordage   |  |
| en Ship-pullies,   | Later Oholo Tolla  |
| 100 Square baskets,  | I de la Santina  |
| A de Lash man laden in a HOV-1   | Source.  |
| - a Lada writh the cords   | de tustemmo deionza  |
| ing, laden in a thip of 40 Tuni  | ie, and a Hoy, is  |
| 10000 Spades,  | 1  |
| 2000 Shovels,  | I shall mell   |
| 1000 Mattockes,  | la second shods  |
| 500 Pick-axes  |  |
| 1200 Axes,   | Ine Committee  |
| 600 Hatchets,  | 1 Const  |
| Las Mantre   | Illian in the old is O   |
| All which was laden in three H   | oyes, is seno 3  |
| 10000 Wheele-barrowes  | I o Small House  |
| 100 Wheeles,   | and wounded Son!   |
| 100 Spindles,  |  |
|  |  |
| All which was laden in three sh  | ips of 40 Tun apecce,3   |
| All which was sacciful   | Forthe   |
| 1500 Deales.   | For the Land   |
| 1560 Fire poles  | For die of   |
| 200 Firre balkes,  | 1 Swin off   |
| 10 Draught Ropes,  | For the M  |
| 4 Crowes of Iron, All which were laden in three f                      | Sanfan Tun appeces   |
|  |  |
| 11 were of 40 Tunne, and   | Hoves together, 17   |
| 11 mere of 40 s mint;  |  |
| Ships for the Victor   | all.   |
| 30193 )07 100  | 6 Here is no particula   |
|  | NA THE MAN AND THE STATE OF THE |
| Thele were in all.  Shipt for Bridger  17 Lyters for the Ordnance with | h the appurenances 17  |
| 17 Lyters for the Contract   | 3  |
| One great Ferry Hoy,   |  |
| One small Ferry Hoy, 6 Boates of small bridges, wi                     | th their waggons, and  |
| 6 Boates of imali bridges, wa  | th men as a  |
| horse furniture,   | On   |

means and of an Army

Guirlig: 1000

| One flet bottom'd Boate t                                 | o carry the wageo                         | ns and       |
|---|---|--------------|
| their appurtenances aboutd                                | he Hoyes,                                 | 1            |
|   | me of the Bridgeships,                    | 26           |
| The Persons belonging to                                  | the Bridge-thips, wh                      | ich ac-      |
| commodate themselves in the                               | eir owne thippes, are                     | as fol-      |
| loweth.   | u bral es wicht                           |              |
| The Bridge-master. His                                    | Lieutenant. 83 Lyi                        | termen,      |
| thus divided; In 15 great I                               | yters, 4 apeece. In 2                     | Imaller      |
| Lyters, 3 apeece. In the great<br>Ferry Hoy 2. With every | Bostos Co. Prides                         | e imali      |
| the flat bottom'd boate 3.                                | hin-Carnenters 2                          | I. In        |
| Shits for &   | verall els.                               |              |
| The Commissary of the                                     | faipping with his                         | condit       |
| ctors,  |   | I            |
| One ship and 4 small Hoy                                  | es for the Conduct                        | orsand       |
| Comminaries of thipping at                                | nd for things accident                    | tall.        |
| o Small Hoyesto moveli                                    | p and downe, for Mel                      | Tengers      |
| and wounded Souldiers.                                    | de la | 6            |
| Summe of the  | Ships for severall uses,                  | 12           |
| Samuel Charles and Company of the same                    |   |              |
| For the Officers of                                       | n of the shipping.                        | .0           |
| For the Infantery,  | ablagianti ones                           | 38           |
| For the Cavallery   | 200 Fire balket                           | 19           |
| For the Artillery,  | To Distribit For                          | 27           |
| For the Munitions   | of warre                                  | 17           |
| Forthe Victuall   | vinicu were laden in t                    | W 1102 66    |
| For the Bridges,  | Swam of el chipelar                       | 26           |
| For severall uses,  | was F 04 10 2 2 2 1 1                     | 12           |
| Sun   | nme totall of the shipping                | g, 217       |
| (네트리) [1] [1] [1] [1] [1] [1] [1] [1] [1] [1]             |   |              |
| Here is no particular Lift                                | of the Victuali men                       | ntioned,     |
| for that the States Army is and Merchants, and the n      | areally supplyed by                       | Jutiers,     |
| a and the in  | Significant Lownes                        | 0.0          |
|   | finall Ferry Hoy                          | One          |
| with their was sons and                                   | oace of finall bridge                     | E. G. B      |
| U   | farniture                                 | GENE         |
| ead the last the second                                   |   | <b>为一部号号</b> |

# All the sport brands you must be often grove and the grove, mailtain all WARD as you define to be of

them. And for the more ready doing of it, you not draw certaigunhant lof ciseus Library of gring folding to free the fire the free to free the certain aces of certain the certain aces of certain the fire the free to free the certain aces of certain aces

Eing that divers Quarters are to be made for the faid Armie (as 11 for the 11 Regiments of Infanterie, & as many for fo many Regiments of Cavallrie, besides the other Quarters) t were

a worke of infinite trouble to make a defigne for the convenient placing of them, and that in halt, (for that upon viewing of the ground, it is presently to be done) but

that there is this helpe to be used.

Every one of the said Quarters must be drawne (before-hand) upon severall peeces of sine past-board (such as our playing Cardes are made of) which must be so cut as that they all may have 500 soote in depth, and so many soote in breadth as every list will require. As for Example, Generall Vere his Regiment having 300 soote in depth and 580 soote in breadth, (as was shewed in Chapter 12) you must cut a peece of past-board of just such a scantling (according to some small scale) and then write upon it the Collonells name, and the measure of the breadth, as here is shewed. (Some would also have the number of Companies and of the Files of Huts requisite for them to be mentioned on every past-board, as you see it in Chapter 21. Figure 13. which I conceive to be commendable.) And so for all the rest.

Figure 8.

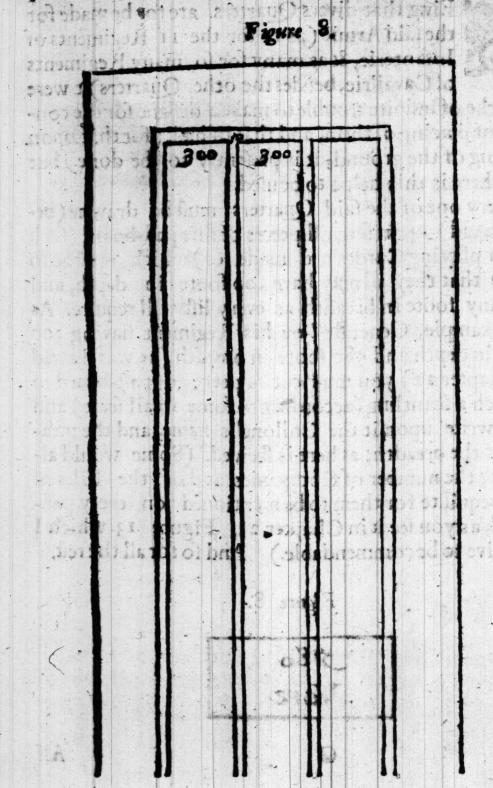
Vere

G

AII

24

All these past-boards you must so often move and remove, until they lye in such order as ye defire to have them. And for the more ready doing of it, you must draw certains pasallell lines upon a streets of paper, of 50 soote distance, for the streets, with spaces of 300 soot,



(as is the wed in figure 8.) thereby the better to lay the faid past-boards in order.

In making the faid Quarters, his Excellence having caused the ground to be viewed; resolved not to quarter the Horse, the waggons, the English under Generall Cecili, nor the Scott, within this Campe: to the past-boards of

om a Digmes que 600 800 1000° Too foot their 6 2

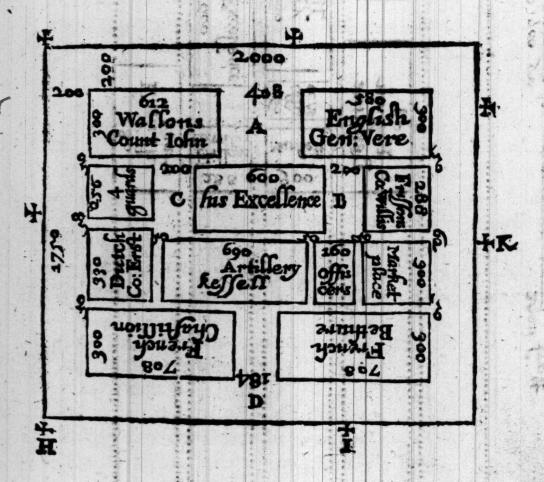
in the 9. Figure.

Yet if in the placing of these Quarters, you find that the Quarter would be more regular, is some of them were somewhat enlarged or lessened; in such cases you may somewhat alter the Quarters of the Waggons, Market, Artillery, Victuall, Strangers, and the ground for the Generalls Quarter. But the Regiments of soote and Horse, the Quarters for the Generall of the Artillery, and the Generals lodgings, must not be altered.

According to the past-boardes so placed, the designe is to be drawne upon paper, with allarme places on all sides,

as is shewed in Figure 10.

Figure 10.



And of these designes it is good to have some in readinesse before hand, some with Cavalry, and othersome without, to stand in stead on a sudden occasion.

A. Is a voyd space of ground, for men to meet and

walke in, which have bufineffe at Court.

B. and C. were spaces lest for Count William, and Count Henry of Nassan.

D. is the Allarme place, on each fide of the Quarters.

### CHAP. XIX.

Of measuring out the Quarters in the Field.

Aving appointed (by the said paper designe) in what order the Quarters shall be made in the field, there must be 150. Quartering staves (more or lesse, according to occasion) brought into the field: (which are painted

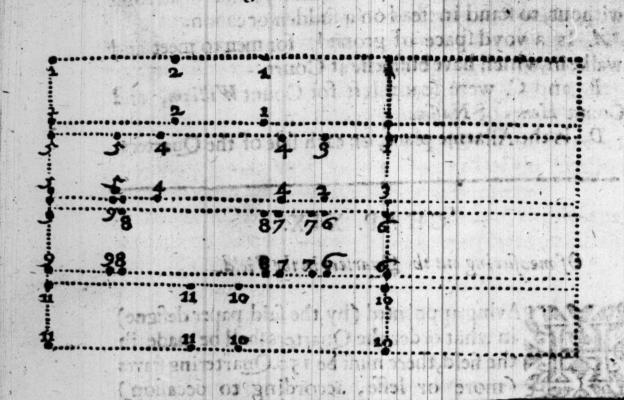
staves of some 9 foote long, each of them having a little banner at the top, (as was usuall among the Romans) to be placed at the Angles of each Quarter. Of these, four are marked with figure 1. four with 2. and the rest so rifing. You must also have a surveying instrument and a chaine, divided into rods and feete.

Then you are to marke out the circuit of the whole Quarter, by four exteriour lines; so that each corner of the Quarter make a right Angle; setting a quartering

staffe in each of them.

Then you are to measure out the particular Quarters; and so soone as the ground of one Regiment be laid out, the particular Quarter-master of that Regiment takes notice of it (for all the particular Quarter-masters, attend the Quarter-master Generall in this work;) So all the quarters being measured out) the said staves will stand, as is showed in figure 11.

GHAP ..



### CHAP. XX.

Of subdividing the particular Quarters.

h Masherited Sanit

all possible expedition, every Quarter master presently falls to subdivide his quarter; Suppose the Angles of it to be A.B.C.D. (in the figure following) he divides the ground betweene A.B. along by a line, strained from those two staves, from 8 foote, to 8 foote, (as was shewed in Chap. 3.) according to his number of men, putting downe a sticke or bough at each of them, as the prickes shew in figure 12.

That done, he doth the same in the way of the said ground,

ground for the Souldiers Huts, from C. to D. (being 180.

foot diftant from A. E.)

Then the Sergeants of every Company presently fall to Subdivide the ground for the Souldiers Huts. To doe this, they must precisely know how many Huts they are to have, and what Souldiers defire to lodge together. If two files of Huts will ferve his Company, he straines foure lines from the markes made by his Quarter-mailer, as in the faid figure is shewed by A, D. E, F. G, H. and I, K. And to let forth the ground for every Hut, he prickes downe foure slickes, to give direction where the foure corner posts of every Hut shall stand. So then the Souldiers build their owne Huts accordingly.

The Sergeants must take care that no Souldier build otherwise, than precisely as his ground is allowed him, and to this the Quartermasters, Captaines, and Collo-

nels must have an Eye.

This direction given for the measuring out of a Regiment of foot, will give sufficient light for the measuring out of all the other quarters.

Figure 12.

| AEG1   |                     |                   | B                                       |
|--|---------------------|-------------------|---|
|  |                     |                   |   |
| 1111   | in the state of the |                   | 1 1 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| AND THE  | A solt of the       |                   | oca Bustilla                            |
| 111  | fin 1200            | - A 1 - 1 - 2 - 2 | da ) 2/10/10 1                          |
| 1441   |                     | (1) (M 1/10/1921) |   |
| 144  |                     | - Flall will took | somb we To the                          |
|  |                     |                   | term extendings A                       |
| Commence of the party of the last of the l | TIMES OF            | 441               | · · · · · · · · · · · · · · · · · · ·   |
|  |                     |                   | 1 10% LUL . DX -                        |

Whilest the Sergeants are busic about this worke, the Quarter-masters proceed to lay out the ground for the Captaines lodgings, and for the Sutlers Huts, as is showed in figure 1.

#### CHAP. XXI.

Of measuring out the Allarme place, and making the

He Romans used not to fortisie their Campes, but were quartered in the open sieldes, without any desence, untill they learned it of Pyrrbus, King of Epirus, (who was the sirst that environed his Campe with a Rampart,

(a) Siratag. li. as (a) Frontinus affirmeth. But afterwards they obser-4, cap. t. ved it, and found it to be most safe and necessary, as (b) (b) Lib. 1 c.23. Veget; us and (c) Leo testifie: which custome is still (for

(c) Tall.c. 1 1. many good reasons) continued in our moderne warres.

The Quarters being all measured out, an Ingenier with his Conductors, measure out on every side of the generall quarter, two right Parallell lines, 6 soot distant from each other, soothe breadth of the Moate; whereof the innermost line is 206 soote distant from the Cuarters; whereof 6 soote is allowed for the breadth of the Parapet, and 200. soote remaineth for the Allarme place. Then (with the helpe of 50. or 60. Pioners) they cut a surrow (about halte a soote broad, and halfe a soote deepe) along the said two lines, by strained cordes, to direct the Souldiers in their making of the Trenches.

This done, you must calculate how many soote each Regiment must digge (which the Infantry are to doe, without any salary for the same, it being for their owne security and ease.) To this end, looke in Chap. 18. signre 10. and you shall finde that the two longest sides to be digged, are 2000. soote apeece, and the two shortest

fides

sides are 1750 footespeece, which together make 7599, foote: Whereinto there be 8560. Souldiers in severall Regiments (as appeareth in Chap.12.) namely,

nicers Ar-

llan medi

| 112      | alld but   | . kythno   | 100 50  | 2 0 201           | 153 119 |
|----------|------------|------------|---|-------------------|---------|
| Charles  |            | 13 5 010   | 132   |                   | . with  |
| Rath     | fillon, of | all coot   | 166   | T T T ALL         | se fied |
| D.P.     | une borest | are Qua    | ario go   | The boson         | Herva   |
| Com      | u Fobre Er | o de la    | 131   | event delicate to | lisany: |
|          | 4 Guarde   |            | 7 13 18   |                   | 11000   |
|          | Ernest.    | Sept Mon   | 105   | to the same       | banda   |
|          |            | aldiere a  | CONTRACTOR OF THE PARTY OF THE | SIS SE SE NOW THE | Cons.   |
| currence | 8560. Sa   | ment / 3 m | mj. augg  | 17000             | 001.    |

Then you may calculate (by the rule of three) and fay, if 8560. Souldiers must digge 7500. foot, what must 1320 Souldiers of Generall Vere his Regiment? facit 1157 foot; which you are to set downe by Vere; and so for the rest. So the computation will stand thus,

|                 |  | T                 | oote.   |
|-----------------|--|-------------------|---------|
| eres de la cont | 1220 Sould   | iers must digge   | DEST    |
| baftillon,      | 10 5 1660  |                   | 1454    |
| Beicune,        | 1660   |                   | 1454    |
| Frijons,        | 7600 0001  | Paraper to be it. |         |
| Count John Erne |  | t banke of there  | 2008    |
|                 | ide : Buoss certil   | roth by their I'm | TOE     |
| 4 Guardes,      | 1030   | an be let downe   |         |
| Count Ernist,   | attended to the state of the st |                   |         |
| 21 2 2 3 4 3    | 8560. Souldier   | s must digge 7500 | . foot. |

The length of ground which every Regiment is to digge, is to be marked on the outlide of the outward-most lockspitting, with a crosse cut in the ground. As for example, in Chap.18. Figure 10. If you begin at the Angle H. there making a crosse, you measure from thence 1454. foot for Chastillon his Regiment, which will extend to I. where you must also make a crosse. In like manner measuring 1454. foot for Beibane his Regiment.

there I be seemed there be \$560. Souldier siles ed sind

But seeing that the said Figure 10, she west but the Quartering of the soot onely, and but a part of them neither, (for reason before given) I have here added the figure 13. wherein all the Horse, Foot, Officers, Artillery, and Waggons are Quartered, according to the severall Lists before mentioned, wherein observe that the Generals Quarter comprehendeth double the usuall ground, for some reason extraordinary.

The two Quarters for Stakenbrooke and Marquet, I conceive might more conveniently have beene placed nearer to Count Johns Regiment of Horse; for so the Arcet betweene Hinderson and Stakenbrooke, also that betweene Marquet and Bepane, would have beene wider (which are now but 30 foot wide) and the other two streetes on each side of Count John, which are now 55

foot wide would have beene more regular.

Somewould have the Moate of the Retrenchment to be seven or eight soote wide, and sive or six soot deepe, and about two foot and a halfe broad at the bottome: The Parapet to be eight foot broad at the Basis (besides a foot banke of three foot broad) and six soot high; as appeareth by their Profiles; But no certaine generall measure can be set downe for the Retrenchments, because they are subject to alteration and change.

First, In regard of their forme, which must be directed according to the place which is to be fortifyed.

Secondly, In regard of their matters for in some places there is good earth, in others fandy, in others moorish, &c.

Thirdly, In regard of the enemies being neare, or far

off; weake, or frong &c.

of the Campe &c.

And accordingly the Retrenchments are to be fortified

by Tenailles, Ravelins, Redouts, and halfe Redouts, Forts, Horne-workes, Croune-workes, &c. (as need and occasion shall require) observing the distance of 60. or 70. rod (being the reach of Musket shot) betweene worke and worke, on a right line.

But seeing these things doe properly belong to the Art of Fortisication, and my purpose was onely to speake of Castrametation, I will put an end to this Discourse.

## FINIS.

